

Vermont

Science and Engineering Profile

	STATE	U.S.	Rank		STATE	U.S.	Rank
Doctoral scientists, 1995	1,366	453,928	47	Total R&D performance, 1995 (millions)	\$308	\$177,210	46
Doctoral engineers, 1995	328	86,738	41	Industry R&D, 1995 (millions)	\$248	\$130,332	40
S&E doctorates awarded, 1996	47	27,230	48	Academic R&D, 1996 (millions)	\$54	\$22,481	49
of which, in life sciences	43%	25%		of which, in life sciences	87%	56%	
in psychology	36%	13%		in engineering	4%	16%	
in engineering	13%	23%		in physical sciences	2%	10%	
S&E postdoctorates, 1996	72	37,019	42	Higher education current-fund expenditures, 1995 (millions)	\$605	\$182,602	44
in doctorate-granting institutions							
S&E graduate students, 1996	646	430,631	51	Number of SBIR awards, 1990-1997	87	31,155	31
in doctorate-granting institutions				Patents issued to state residents, 1997	276	61,699	35
Population, 1997 (000s)	589	271,464	50	Gross state product, 1996 (billions)	\$14.6	\$7,677.4	52
Civilian labor force, 1997 (000s)	326	137,564	49	of which, agriculture	2%	2%	
Personal income per capita, 1997	\$23,401	\$25,598	31	manufacturing, mining, construction	23%	23%	
Federal spending				transportation, communication, utilities	8%	8%	
Total expenditures, 1997 (millions)	\$2,728	\$1,405,060	51	wholesale and retail trade	16%	16%	
R&D obligations, 1996 (millions)	\$47	\$66,087	49	finance, insurance, real estate	18%	19%	
				services	21%	20%	
				government	12%	12%	

Rankings and totals are based on data for the 50 states, D.C., and Puerto Rico.

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development by Agency and Performer: Fiscal Year 1996

[Thousands of Dollars]

	Total	Federal Intramural	All FFRDCs	Industrial firms	Universities & Colleges	Other nonprofits	State & local government	State rank
Total, all agencies	46,624	6,564	0	5,513	33,406	840	301	49
Department of Agriculture	5,451	1,849	0	0	3,602	0	0	45
Department of Commerce	148	17	0	0	131	0	0	47
Department of Defense	7,352	2,954	0	3,359	1,039	0	0	47
Department of Energy	500	0	0	0	500	0	0	49
Dept. of Health & Human Services	26,588	0	0	1,067	24,681	840	0	40
Department of Interior	1,874	1,744	0	60	70	0	0	47
Department of Transportation	247	0	0	0	0	0	247	52
Environmental Protection Agency	54	0	0	0	0	0	54	47
Nat'l Aeronautics & Space Admin.	996	0	0	718	278	0	0	47
National Science Foundation	3,414	0	0	309	3,105	0	0	48
State rank	49	50	na	46	42	49	51	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable